



SEQUENCE LISTING

<11> Chapman, Rod

<120> LEPTOSPIRA PATHOGENS

<130> DAVIE79.001APC

<140> 09/380,826

<141> 1999-11-22

<150> PCT/AU98/00145

<151> 1998-03-06

<150> AU P05494/97

<151> 1997-03-07

<160> 26

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1477

<212> DNA

<213> Leptospira fainei

<400> 1

gatcatggct cagaactaac gctggcggcg cgtcttaaac atgcaagtcg agcggggtag 60
caatacctag cggcgaacgg gtgagtaaca cgtggtaatc ttccctccgag tctggataa 120
cttccgaaa ggaaagctaa taccggataag tcctgttgg a tcacaagatt tgataggtaa 180
agatttattg cttggagatg agcccgccgc cgattagcta gttggtgagg taatggctca 240
ccaaaggcgac gatcggttagc cggcctgaga gggtgtccgg ccacaatgga actgagacac 300
ggtccatact cctacgggag gcagcagttt agaatcttc tcaatgggg aaaccctgaa 360
gcagcgacgc cgcgtgaacg aagaaggcttc tcggattgtt aagttcatca ggcaggaaaa 420
ataagcagca atgtgatgtat ggtacctgc taaagcaccg gctaactacg tgccagcagc 480
cgccgtaata cgtatgtgc aagcgttgcg cggaaatcatt gggcgtaaag ggtgcgtagg 540
cggattttgtt agtcaggtgt gaaaactgcg ggctcaaccc gtggcctgca cttgaaacta 600
caagtcttgg a gtttgggaga ggcaagtggaa attccaggtg tagcggtagaa atgcgtat 660
atctggagga acaccagtgg cgaaggcgac ttgctggctc aaaactgcg ctgaggcacg 720
aaagcgtggg tagtaaacgg gattagatac cccggtaatc cacggccctaa acgttgcata 780
ccagttgttgg ggggttttaa ccctcagtaa cgaacctaac ggattaaatc gaccgcctgg 840
ggactatgtc cgcaagagtg aaactcaaag gaattgacgg gggctccgcac aagcgggtgg 900
gcatgtgggtt taattcgatg ataccccaaa aacctcacct gggcttgaca tggatctgaa 960
tcatgttagag atatatgagc ctcggcgac attcacaggt gctgcatgt tgcgtcagc 1020
tcgtgtcgtt agatgttggg ttaagtcccg caacgacgc aaccctatc gtatgttgc 1080
acctaagggtt gggcactggt acgaaactgc cggtgacaaa cccggaggaag gcccggatga 1140
cgtaaatcc tcattggcctt tatgtccagg gccacacacg tgctacaatg gccgatacag 1200
agggtcgcca actcgcaaga gggagctaat ctctaaaagt cggcccagt tcggatttggg 1260
gtctgcaact cgaccccatg aagtccggat cgcgtatgcg cgcggatcag catggccgg 1320
tgaatacggtt cccggacccctt gtacacaccg cccgtcaccac cacctgatgt gggagcacc 1380
gaagtgggtct ttgttaaccg taaggagaca gactactaag gtgaaactcg taaaggggtt 1440
gaagtcttggaa caaggttaccg taaatcgatt cctgcag 1477

<210> 2

<211> 22

<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for L. fainei.

<400> 2
tgttggatca caagatttga ta

22

<210> 3
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for L. fainei.

<400> 3
ttcacccgcta cacctggaa

19

<210> 4
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for L. fainei.

<400> 4
tgttggaa

7


<210> 5
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for L. fainei.

<400> 5
tttgata

7

<210> 6
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<223> Primer for L. fainei.

<400> 6
tgttggannn nnnnntttga ta

22

<210> 7
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for *L. fainei*.

<400> 7
tggatca caagattta ta

22

<210> 8
<211> 200
<212> DNA
<213> *Leptospira inadai*

<400> 8
ccgagtcgg gataacttc cggaaaggaaa gctaataccg gatagtccta ctggatcaca 60
ggatctgata ggttaaagatt tattgcttgg agatgagccc gcccggatt agctagttgg 120
tgaggtaaag gctcaccaag ggcacgatcg gtagccggcc tgagagggtg tccggccaca 180
atggaaactga gacacggtcc

200

<210> 9
<211> 200
<212> DNA
<213> *Leptospira meyeri*

<400> 9
ccgagtcgg gataactttt cggaaaggaaa gctaatactg gatagtcgg agagatcata 60
agattttcg ggttaaagatt cattgcttgg agatgagccc gcccggatt agctagttgg 120
tgaggtaaatg gctcaccaag ggcacgatcg gtagccggcc tgagagggtg tccggccaca 180
atggaaactga gacacggtcc

200

<210> 10
<211> 200
<212> DNA
<213> *Leptospira weilii*

<400> 10
ccgagtcgg gataacttc cggaaaggaaa gctaataactg gatggtccc agaggtcata 60
tgattttcg ggttaaagatt tattgctcgg agctgagccc gcccggatt agctagttgg 120
tgaggtaaatg gctcaccaag ggcacgatcg gtagccggcc tgagagggtg tccggccaca 180
atggaaactga gacacggtcc

200

<210> 11
<211> 200
<212> DNA
<213> *Leptospira santarosi*

<400> 11
ccgagtcgg gataacttc cggaaaggaaa gctaataactg gatagtcgg atagatcata 60
ggatgtatcg ggttaaagatt cattgctcgg agatgagccc gcccggatt agctagttgg 120
tgaggtaaatg gctcaccaag ggcacgatcg gtaaccggcc tgagagggtg tccggccaca 180
atggaaactga gacacggtcc

200

<210> 12
<211> 200

<212> DNA

<213> *Leptospira borgpetersenii*

<400> 12

ccgagtctgg gataacttgc gaaaggaa gctaatactg gatagtcccg agagatcata 60
ggattttcg ggtaaagatt tattgctcg agatgagccc gcgtccgatt agctagttgg 120
tgaggtaatg gtcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
atgaaactga gacacggtcc 200

<210> 13

<211> 200

<212> DNA

<213> *Leptospira noguchii*

<400> 13

ccgagtctgg gataacttgc gaaaggaa gctaatactg gatagtcccg agagatcata 60
agattttcg ggtaaagatt cattgctcg agatgagccc gcgtccgatt agctagttgg 120
tgaggtaatg gtcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
atgaaactga gacacggtcc 200

<210> 14

<211> 200

<212> DNA

<213> *Leptospira kirschneri*

<400> 14

ccgagtctgg gataacttgc gaaaggaa gctaatactg gatggtcccg agagatcata 60
agattttcg ggtaaagatt tattgctcg agatgagccc gcgtccgatt asctagttgg 120
tgaggtaaag gtcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
atgaaactga gacacggtcc 200

<210> 15

<211> 200

<212> DNA

<213> *Leptospira interrogans*

<400> 15

ctgagtctgg gataacttgc gaaaggaa gctaatactg gatggtcccg agagatcata 60
agattttcg ggtaaagatt tattgctcg agatgagccc gcgtccgatt agctagttgg 120
tgaggtaaag gtcaccaag gcgacgatcg gtagccggcc tgagagggtg ttcggccaca 180
atgaaactga gacacggtcc 200

<210> 16

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 27F for *Leptospira* species.

<400> 16

catggatcca gagtttgatc mtggctcag

29

<210> 17

<211> 16

<212> DNA

<213> Artificial Sequence

<220>
<223> Primer 530F for Leptospira species.

<400> 17
gtgccagcmg ccgcgg 16

<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer 926F for Leptospira species.

<400> 18
aaactyaaak gaattgacgg 20

<210> 19
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer LU for Leptospira species.

<400> 19
cggcgcgtct taaacatg 18

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer C for Leptospira species.

<400> 20
caagtcaagc ggagtagcaa 20

<210> 21
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer 1392R for Leptospira species.

<400> 21
acgggcggtg tgtrc 15

<210> 22
<211> 15
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer 1100R for Leptospira species.

<400> 22

gggttgcgct cgttg

15

<210> 23

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 519R for Leptospira species.

<400> 23

gwattaccgc ggckgctg

18

<210> 24

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer rLP for Leptospira species.

<400> 24

accatcatca catygctgc

19

<210> 25

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer B for Leptospira species.

<400> 25

ttccccccat tgagcaagat t

21

<210> 26

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer INT rLP for Leptospira species.

<400> 26

ttattttcc ctgcttactg aac

23